

Welcome to the World of Standards



Eighth ITU Symposium on ICTs, the Environment and Climate Change

Turin, Italy, 6-7 May 2013

Session 2 - Assessing the environmental impact in cities

B. Gorini (Alcatel Lucent), TC- EE chairman

Responsibility (1/2)

- **Specifications for environmental and infrastructural aspects for telecommunication equipment and its environment (WG-EE1):**
 - Environmental conditions/requirements/tests including: climatic, mechanical, chemical, biological aspects
 - thermal management
 - acoustic noise measurement and limits
- **Specifications of Power Supply interface requirements and grounding for telecommunication/data-com equipment (WG-EE2)**
 - Power supply interface requirements (voltage range, voltage variations, inrush current, etc.)
 - Power distribution architectures
 - Monitoring and control interface of power and cooling systems
 - Grounding & Bonding requirements



Responsibility (2/2)

- **Specifications for Mechanical Structure and Physical design of telecommunication equipment**
 - Equipment practice for telecommunication equipment
 - Characteristics of sub-racks, racks and cabinets for telecom equipment
- **Eco-Environmental affairs (WG-EEPS)**
 - Analysis of European environmental legislations, in terms of ecological aspects, and assessing its impact on Telecommunication infrastructure and equipment.
 - Establishment and maintenance of liaisons with SDOs and the European Commission on development of ecological environmental related product deliverables in telecommunication area
 - Reduction of energy consumption for telecommunications/datacom equipment and related infrastructure
 - Renewable energy sources (for powering telecommunication and datacom equipment)

ETSI TC-EE has in place collaborations with ITU-T on several topics

- Life cycle assessment methodologies
 - Energy efficiency in ICTS's product/networks
 - Power architecture with improved energy efficiency
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- **ETSI TC-EE and ITU-T SG5/WP3 will have a joint meeting on 27-31 May 2013 at the ETSI HQ (Sophia Antipolis, France)**

ETSI TC-EE on WEB

<http://portal.etsi.org/portal/server.pt/community/EE/303>

Scenario

- Focus on the need to act to reduce the impacts of climate change in cities
- Need of global and harmonized protocol for quantifying the GHG emissions attributable to cities and local regions

 This session will address the role of standardized methodologies for the ICT sector in order to provide an accurate, reliable tool for assessing its environmental impact in cities

- 🌐 ITU-T Methodologies to assess ICT footprint in cities
- 🌐 Evaluating sustainability of ICT solutions in cities
- 🌐 Manchester City Region: Manchester Digital Development Agency set up in 2004 to coordinate Digital Agenda for the city region
- 🌐 ITU Report, The case of Korea: the quantification of GHG reduction effects achieved by ICTs